

## Abstract

The present invention relates to an automatically cleaned filter with cotton core. Said filter comprises an outer case, a cotton core and a pump. Said case  
5 comprises a lid that can be opened to put into the cotton core, a water inlet and one or more water outlets. Said case further comprises an inside cleaning apparatus that can be operated like a washing machine to clean its cotton core inside and connected with a motor outside the case. Said filter can be used for cleaning the cotton core regularly and automatically so as to avoid need of  
10 hand-washing the cotton core, and has no necessary to frequently replace the cotton core, thus reducing using cost of the cotton core.